

# The Price Advantage.

Proven Stratos technology now available in reasonably priced, basic version for pH, conductivity, or oxygen

## Stratos *Eco*



# Stratos *Eco* Series

For pH, ORP, Conductivity, or Dissolved Oxygen

## Made in Germany

High-tech at an astonishingly good price – the new Stratos Eco series is intended for use in almost all standard applications.

The reliable 4-wire devices for the measurement of pH and ORP values, conductivity, or dissolved oxygen are the result of efficient product development. Superior Knick technology is now also available in powerful basic versions.



### 4-Wire Process Analyzers of the Stratos *Eco* Series

**Stratos *Eco* 2405 pH**  
for measuring pH and ORP values

**Stratos *Eco* 2405 Oxy**  
for measuring dissolved oxygen

**Stratos *Eco* 2405 Cond**  
for measuring conductivity using  
2- or 4-electrode sensors

**Stratos *Eco* 2405 Condl**  
for measuring conductivity using  
toroidal sensors



**Preventive Maintenance Indication with Sensoface**

|  |  |
|--|--|
| <b>Sensor measures reliably</b>  |   |
| <b>Measured value still acceptable, sensor should be checked and replaced, if required</b> |   |
| <b>Unreliable measurement, replace sensor</b>  |  |

**Uncompromising quality.**

From the calibration timer to the automatic GainCheck device self-test, from the red alarm LED to the Sensocheck sensor monitoring feature:

The Stratos Eco models provide all the sophisticated functions of the proven Stratos devices.

**Easy to operate.**

The self-explaining user interface ensures comfortable and intuitive handling. Measured values and temperature are displayed simultaneously on the large, high-contrast LC display. International icons provide operating messages and signal unusual operating states.

Mode indicators show the current operating mode.

The flat and fully encapsulated electronics is integrated in the enclosure front. This has made ample room for cabling within the device and all parts are easy to access.

**Globally ready.**

The integrated VariPower broad-range power supply unit allows trouble-free operation with any supply voltage (20 ... 253 V AC/DC) even with large fluctuations in the mains voltage.



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## Reliable Flexibility

### Cost-saving.

The circuit technology, unrivaled by other manufacturers, means fewer electronic components and reduced energy consumption. These advantages give rise to an MTBF value of 110 years – plus the unusually long warranty period of 3 years.

Thus, Stratos Eco represents outstanding availability and extraordinary reliability.

### Simple to install.

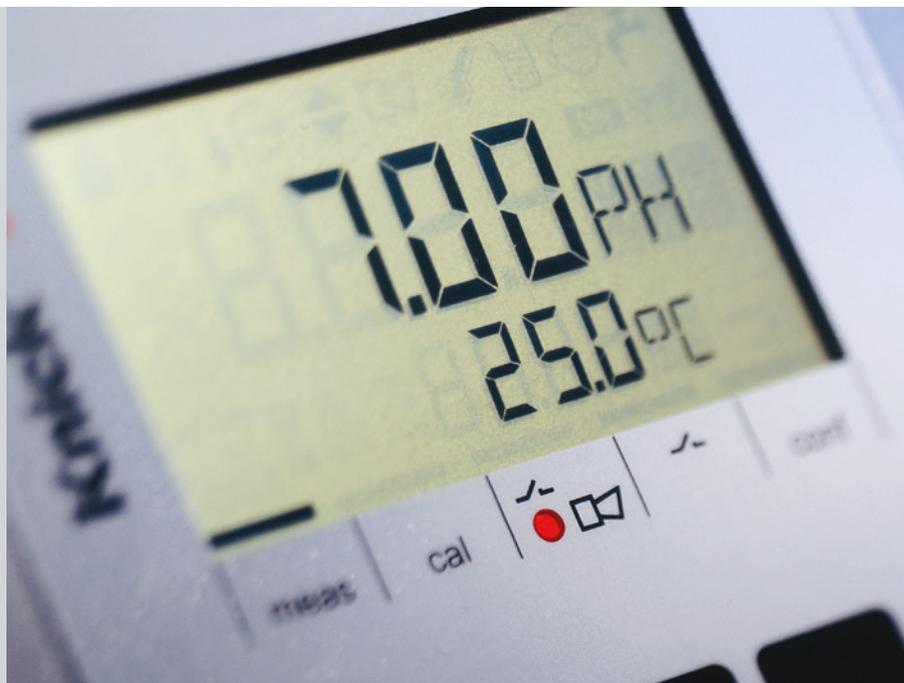
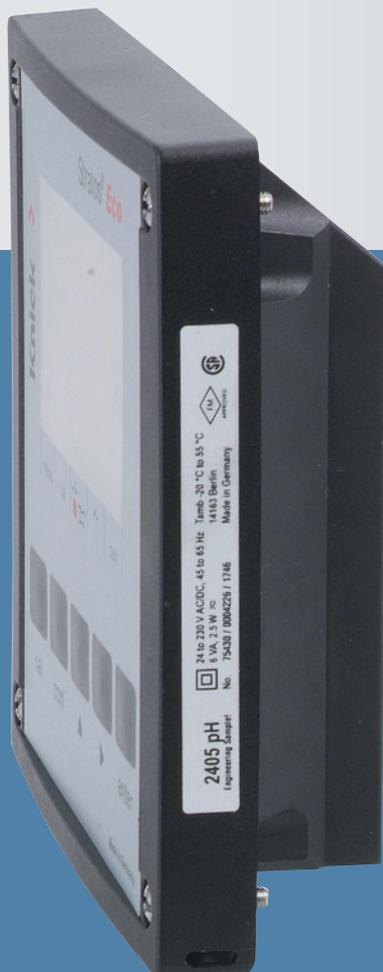
Like other Stratos products, the Eco series offers the option of wall, pipe/post and panel installation. The installation is simplified by plug-in terminals and the pre-mountable plastic housing made from robust PBT.

Cable glands:  
M20 x 1.5 and NPT ½" or rigid metallic conduit

### Robust and safe.

- Robust PBT enclosure
- IP 65 / NEMA 4X protection
- Suitable for rigid metallic conduits
- Ex classification Class I Div. 2





## The Facts

- Easy installation; large terminal compartment, rear unit can be pre-assembled
- Wall, post/pipe, or panel mounting
- Application in hazardous locations (FM Class I Div. 2)
- Large, high-contrast display
- Simple, intuitive operation
- Optical alarm signaling by bright, red LED
- Temperature indication either in °C or °F
- Easy calibration using process medium
- Second current output for temperature measurement
- Two floating relay contacts
- Sensocheck continuous sensor monitoring
- Sensoface preventive maintenance indication
- Automatic buffer recognition by Calimatic
- VariPower power supply for 20 to 253 V AC/DC
- Display of concentration (conductivity)
- Reset to factory settings possible

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## Complete Solutions for a Broad Range of Applications

### Applications

- Simple industrial applications
- Downstream applications
- Water processing
- Aeration of natural waters
- Energy production
- Boiler water
- Cooling water
- Salt spring
- Seawater desalination
- Mineral water
- Regeneration of ion exchangers
- Drinking water / well water
- Reverse osmosis
- Fish farming

### Sensors

- pH
- ORP
- 2-electrode conductivity
- 4-electrode conductivity
- Toroidal conductivity
- Dissolved oxygen





**Stratos Eco**  
2405 pH



**Stratos Eco**  
2405 Cond



**Stratos Eco**  
2405 CondI



**Stratos Eco**  
2405 Oxy



**Process Analytics**

- Industrial Transmitters
- Fittings
- Automatic Cleaning and Calibration Systems
- Sensors
- Portables
- Laboratory Meters

## Knick The Art of Measuring

Knick has been among the leading manufacturers of electronic measurement devices for process analysis for more than 70 years. Today, the company alignment is still focused on a high technical level and an intensely innovative orientation.

The current product range of Knick includes unique device series also for extremely difficult applications. As a system provider, Knick can guarantee expert analysis of your measurement requirements and provide qualified advice for complete measurement loops.

**Knick  
Elektronische Messgeräte  
GmbH & Co. KG**

Beuckestraße 22, 14163 Berlin,  
Germany

Phone: +49 30 80191-0

Fax: +49 30 80191-200

info@knick.de · www.knick.de